

**IN THE CLAIMS**

12. (thrice amended) The system according to claim 29, in which the respective first field for error detecting or error correcting is for detecting or correcting an error or errors which occurred in the respective header information field.

21. (thrice amended) The system according to claim 30, in which the respective first field for error detecting or error correcting is for detecting or correcting an error or errors which occurred in the respective header information field.

29. (twice amended) A radio transmission method for use in carrying out transmission and reception of data between stations, said method comprising:

transmitting a control packet from one of a communication station of a number of communication stations or a control station; and

transmitting, in response to said control packet, a data packet among said number of communication stations,

each of said control packet and said data packet having a header information field and a first field for error detecting or error correcting, said data packet further having a data information field and a second field for error detecting or error correcting,

in which a structure of the header information field and the first field for error detecting or error correcting of said control packet is the same as that of the header information field and the first field for error detecting or error correcting of said data packet, and

in which a size of said control packet is always smaller than a size of said data packet.

30. (twice amended) A radio transmission system for use in carrying out transmission and reception of data between stations, said system comprising:

a first transmitting unit operable to transmit a control packet; and

a second transmitting unit operable to transmit a data packet in response to said control packet,

each of said control packet and said data packet having a header information field and a first field for error detecting or error correcting, said data packet further having a data information field and a second field for error detecting or error correcting,

in which a structure of the header information field and the first field for error detecting or error correcting of said control packet is the same as that of the header information field and the first field for error detecting or error correcting of said data packet, and

in which a size of said control packet is always smaller than a size of said data packet.

32. (thrice amended) A computer storage device for use with a computer apparatus having a computer program stored thereon, the computer program being executable by a computer device or devices to perform a radio transmission method for use in carrying out transmission and reception of data between stations, said method comprising:

transmitting a control packet from one of a communication station of a number of communication stations or a control station; and

transmitting, in response to said control packet, a data packet among said number of communication stations,

each of said control packet and said data packet having a header information field and a first field for error detecting or error correcting, said data packet further having a data information field and a second field for error detecting or error correcting.

in which a structure of the header information field and the first field for error detecting or error correcting of said control packet is the same as that of the header information field and the first field for error detecting or error correcting of said data packet, and

in which a size of said control packet is always smaller than a size of said data packet.

Please add the following new claims:

33. A radio transmission method for use in carrying out transmission and reception of data between stations, said method comprising:

transmitting a control packet from one of a communication station of a number of communication stations or a control station; and

transmitting, in response to said control packet, a data packet among said number of communication stations,

each of said control packet and said data packet having a header information field and a first field for error detecting or error correcting, said data packet further having a data information field and a second field for error detecting or error correcting,

in which a structure of the header information field and the first field for error detecting or error correcting of said control packet is the same as that of the header information field and the first field for error detecting or error correcting of said data packet, and

in which said control packet does not include a data information field.

34. A radio transmission system for use in carrying out transmission and reception of data between stations, comprising:

a first transmitting unit operable to transmit a control packet; and

a second transmitting unit operable to transmit a data packet in response to said control packet,

each of said control packet and said data packet having a header information field and a first field for error detecting or error correcting, said data packet further having a data information field and a second field for error detecting or error correcting,

in which a structure of the header information field and the first field for error detecting or error correcting of said control packet is the same as that of the header information field and the first field for error detecting or error correcting of said data packet, and

in which said control packet does not include a data information field.

35. A computer storage device for use with a computer apparatus having a computer program stored thereon, the computer program being executable by a computer device or devices to perform a radio transmission method for use in carrying out transmission and reception of data between stations, said method comprising:

transmitting a control packet from one of a communication station of a number of communication stations or a control station; and

transmitting, in response to said control packet, a data packet among said number of communication stations,

each of said control packet and said data packet having a header information field and a first field for error detecting or error correcting, said data packet further having a data information field and a second field for error detecting or error correcting,

in which a structure of the header information field and the first field for error detecting or error correcting of said control packet is the same as that of the header information field and the first field for error detecting or error correcting of said data packet, and

in which said control packet does not include a data information field.

36. The method according to claim 29, in which the size of said control packet has a maximum value of approximately 77 bits.

37. The system according to claim 30, in which the size of said control packet has a maximum value of approximately 77 bits.

38. The device according to claim 32, in which the size of said control packet has a maximum value of approximately 77 bits.

39. A radio transmission method for use in carrying out transmission and reception of data between stations, said method comprising:

transmitting a control packet arrangement from one of a communication station of a number of communication stations or a control station; and

transmitting, in response to said control packet arrangement, a data packet arrangement among said number of communication stations,

each of said control packet arrangement and said data packet arrangement having a header information field and a first field for error detecting or error correcting, said data packet arrangement further having a data information field and a second field for error detecting or error correcting,

in which a structure of the header information field and the first field for error detecting or error correcting of said control packet arrangement is the same as that of the header information field and the first field for error detecting or error correcting of said data packet arrangement, and

in which a size of said control packet arrangement is always smaller than a size of said data packet.

40. A radio transmission system for use in carrying out transmission and reception of data between stations, said system comprising:

a first transmitting unit operable to transmit a control packet arrangement; and

a second transmitting unit operable to transmit a data packet arrangement in response to said control packet,

each of said control packet arrangement and said data packet arrangement having a header information field and a first field for error detecting or error correcting, said data packet arrangement further having a data information field and a second field for error detecting or error correcting,

in which a structure of the header information field and the first field for error detecting or error correcting of said control packet arrangement is the same as that of the header information field and the first field for error detecting or error correcting of said data packet arrangement, and

in which a size of said control packet arrangement is always smaller than a size of said data packet arrangement.

41. A computer storage device for use with a computer apparatus having a computer program stored thereon, the computer program being executable by a computer device or devices to perform a radio transmission method for use in carrying out transmission and reception of data between stations, said method comprising:

transmitting a control packet arrangement from one of a communication station of a number of communication stations or a control station; and

transmitting, in response to said control packet, a data packet arrangement among said number of communication stations,

each of said control packet arrangement and said data packet arrangement having a header information field and a first field for error detecting or error correcting, said data packet arrangement further having a data information field and a second field for error detecting or error correcting.

in which a structure of the header information field and the first field for error detecting or error correcting of said control packet arrangement is the same as that of the header information field and the first field for error detecting or error correcting of said data packet arrangement, and

in which a size of said control packet arrangement is always smaller than a size of said data packet arrangement.

42. The method according to claim 39, in which the size of said control packet arrangement has a maximum value of approximately 77 bits.

43. The system according to claim 40, in which the size of said control packet arrangement has a maximum value of approximately 77 bits.

44. The device according to claim 41, in which the size of said control packet arrangement has a maximum value of approximately 77 bits.

45. A radio transmission method for use in carrying out transmission and reception of data between stations, said method comprising:

transmitting a control packet arrangement from one of a communication station of a number of communication stations or a control station; and

transmitting, in response to said control packet, a data packet arrangement among said number of communication stations,

each of said control packet arrangement and said data packet arrangement having a header information field and a first field for error detecting or error correcting, said data packet arrangement further having a data information field and a second field for error detecting or error correcting,

in which a structure of the header information field and the first field for error detecting or error correcting of said control packet arrangement is the same as that of the header

information field and the first field for error detecting or error correcting of said data packet arrangement, and

in which said control packet arrangement does not include a data information field.

46. A radio transmission system for use in carrying out transmission and reception of data between stations, comprising:

a first transmitting unit operable to transmit a control packet arrangement; and

a second transmitting unit operable to transmit a data packet arrangement in response to said control packet arrangement,

each of said control packet and said data packet having a header information field and a first field for error detecting or error correcting, said data packet arrangement further having a data information field and a second field for error detecting or error correcting,

in which a structure of the header information field and the first field for error detecting or error correcting of said control packet arrangement is the same as that of the header information field and the first field for error detecting or error correcting of said data packet arrangement, and

in which said control packet arrangement does not include a data information field.

47. A computer storage device for use with a computer apparatus having a computer program stored thereon, the computer program being executable by a computer device or devices to perform a radio transmission method for use in carrying out transmission and reception of data between stations, said method comprising:

transmitting a control packet arrangement from one of a communication station of a number of communication stations or a control station; and

transmitting, in response to said control packet, a data packet arrangement among said number of communication stations,



each of said control packet arrangement and said data packet arrangement having a header information field and a first field for error detecting or error correcting, said data packet arrangement further having a data information field and a second field for error detecting or error correcting.

in which a structure of the header information field and the first field for error detecting or error correcting of said control packet arrangement is the same as that of the header information field and the first field for error detecting or error correcting of said data packet arrangement, and

in which said control packet arrangement does not include a data information field.